

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
12 NOIEMBRIE 2020**



**DATE CALITATE AER MUNICIPIUL SEBES -  
SISTEM PROPRIU DE MASURARE - Occidentului Nr.3  
Valori medii orare**

| Time         | PM1          | PM2.5        | PM4          | PM10         | PMtot        | Benzen      | Toluen      | Etil-<br>benzen | CO          | NO           | NO2          | NOx          | O3           | SO2         | Formald<br>ehida |
|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-----------------|-------------|--------------|--------------|--------------|--------------|-------------|------------------|
| h:min        | µg/m3        | µg/m3        | µg/m3        | µg/m3        | µg/m3        | µg/m3       | µg/m3       | µg/m3           | mg/m3       | µg/m3        | µg/m3        | µg/m3        | µg/m3        | µg/m3       | mg/m3            |
| 1:00         | 7.28         | 7.85         | 8.46         | 9.71         | 11.16        | 1.33        | 1.92        | 4.24            | 0.50        | 2.27         | 5.26         | 8.73         | 17.22        | 7.73        | 0.001            |
| 2:00         | 10.95        | 11.49        | 12.07        | 12.94        | 13.74        | 1.78        | 1.85        | 2.14            | 0.58        | 1.95         | 6.65         | 9.63         | 16.36        | 7.87        |                  |
| 3:00         | 16.75        | 18.02        | 19.21        | 21.34        | 23.59        | 1.47        | 1.58        | 1.87            | 0.62        | 2.89         | 12.03        | 16.45        | 13.57        | 7.88        |                  |
| 4:00         | 15.31        | 16.37        | 17.40        | 19.08        | 20.48        | 1.25        | 1.38        | 1.67            | 0.55        | 6.51         | 15.38        | 25.33        | 11.21        | 7.88        |                  |
| 5:00         | 17.80        | 19.43        | 20.97        | 23.71        | 26.39        | 1.40        | 1.53        | 1.65            | 0.55        | 4.68         | 16.00        | 23.14        | 9.08         | 7.87        |                  |
| 6:00         | 13.16        | 14.12        | 15.14        | 16.61        | 18.15        | 1.40        | 1.40        | 1.67            | 0.55        | 4.20         | 15.55        | 21.98        | 10.12        | 7.80        |                  |
| 7:00         | 11.85        | 13.05        | 14.37        | 17.23        | 20.68        | 1.47        | 1.53        | 1.51            | 0.56        | 13.59        | 22.44        | 43.22        | 6.16         | 7.96        |                  |
| 8:00         | 13.43        | 14.46        | 15.48        | 17.94        | 20.60        | 1.46        | 1.39        | 1.41            | 0.55        | 5.40         | 17.74        | 26.00        | 6.90         | 7.65        |                  |
| 9:00         | 13.34        | 14.44        | 15.46        | 18.40        | 21.27        | 1.54        | 1.45        | 1.39            | 0.58        | 10.25        | 18.85        | 34.50        | 5.54         | 7.81        |                  |
| 10:00        | 10.98        | 11.86        | 12.78        | 15.49        | 18.48        | 1.33        | 1.65        | 1.41            | 0.53        | 6.18         | 13.28        | 22.72        | 9.93         | 7.78        |                  |
| 11:00        | 13.52        | 14.56        | 15.56        | 18.30        | 21.45        | 1.33        | 1.39        | 1.35            | 0.54        | 6.40         | 9.41         | 19.20        | 14.20        | 7.97        |                  |
| 12:00        | 16.75        | 18.23        | 19.77        | 24.23        | 28.94        | 2.57        | 2.16        | 1.51            | 0.57        | 4.02         | 7.81         | 13.94        | 19.53        | 7.98        |                  |
| 13:00        | 15.84        | 16.83        | 17.65        | 20.79        | 25.30        | 1.32        | n/a         | n/a             | 0.51        | 4.51         | 7.49         | 14.37        | 27.06        | 8.13        |                  |
| 14:00        | 14.23        | 15.94        | 17.38        | 21.38        | 26.80        | 0.88        | 0.83        | 1.29            | 0.48        | 4.02         | 6.43         | 12.58        | 27.59        | 7.73        |                  |
| 15:00        | 24.25        | 28.21        | 30.61        | 35.19        | 41.20        | 2.00        | 1.74        | 1.41            | 0.50        | 3.83         | 7.61         | 13.46        | 27.17        | 7.90        |                  |
| 16:00        | 17.22        | 19.27        | 20.77        | 23.40        | 26.49        | 1.42        | 1.33        | 1.34            | 0.51        | 3.83         | 9.61         | 15.46        | 24.73        | 7.85        |                  |
| 17:00        | 12.64        | 14.84        | 16.62        | 28.14        | 43.03        | 1.26        | 1.58        | 1.40            | 0.52        | 5.25         | 19.86        | 27.88        | 14.61        | 7.80        |                  |
| 18:00        | 15.05        | 17.25        | 19.37        | 27.09        | 36.76        | 1.13        | 0.99        | 1.27            | 0.51        | 4.89         | 17.24        | 24.72        | 13.94        | 7.68        |                  |
| 19:00        | 21.98        | 23.84        | 25.36        | 30.13        | 35.63        | 1.56        | 1.39        | 1.28            | 0.54        | 3.40         | 15.31        | 20.50        | 14.20        | 7.48        |                  |
| 20:00        | 16.88        | 18.42        | 19.93        | 24.11        | 29.58        | 1.34        | 1.54        | 1.28            | 0.54        | 4.24         | 16.68        | 23.17        | 11.84        | 7.35        |                  |
| 21:00        | 18.06        | 19.34        | 20.50        | 23.79        | 27.09        | 1.61        | 1.68        | 1.31            | 0.57        | 3.56         | 15.59        | 21.03        | 11.00        | 7.21        |                  |
| 22:00        | 18.21        | 19.57        | 20.79        | 25.03        | 29.52        | 1.61        | 1.49        | 1.26            | 0.57        | 3.66         | 16.24        | 21.83        | 9.88         | 7.18        |                  |
| 23:00        | 16.46        | 17.51        | 18.43        | 21.15        | 23.64        | 1.34        | 1.24        | 1.23            | 0.54        | 2.21         | 11.81        | 15.19        | 13.74        | 7.02        |                  |
| 24:00        | 19.21        | 20.27        | 21.26        | 22.74        | 24.39        | 1.34        | 1.25        | 1.17            | 0.53        | 3.99         | 10.90        | 17.01        | 12.54        | 7.14        |                  |
| <b>Min</b>   | <b>7.28</b>  | <b>7.85</b>  | <b>8.46</b>  | <b>9.71</b>  | <b>11.16</b> | <b>0.88</b> | <b>0.83</b> | <b>1.17</b>     | <b>0.48</b> | <b>1.95</b>  | <b>5.26</b>  | <b>8.73</b>  | <b>5.54</b>  | <b>7.02</b> |                  |
| <b>Max</b>   | <b>24.25</b> | <b>28.21</b> | <b>30.61</b> | <b>35.19</b> | <b>43.03</b> | <b>2.57</b> | <b>2.16</b> | <b>4.24</b>     | <b>0.62</b> | <b>13.59</b> | <b>22.44</b> | <b>43.22</b> | <b>27.59</b> | <b>8.13</b> |                  |
| <b>Medie</b> | <b>15.46</b> | <b>16.88</b> | <b>18.14</b> | <b>21.58</b> | <b>25.60</b> | <b>1.46</b> | <b>1.49</b> | <b>1.57</b>     | <b>0.54</b> | <b>4.82</b>  | <b>13.13</b> | <b>20.50</b> | <b>14.51</b> | <b>7.69</b> |                  |

**Indice specific privind calitatea aerului in Municipiul Sebes - ORDIN 1818/2020**

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 2 |
| Dioxid de azot (NO2)           | 1 |
| Dioxid de sulf (SO2)           | 1 |
| Ozon (O3)                      | 1 |
| Particule in suspensie (PM10)  | 2 |

|   |               |
|---|---------------|
| 1 | Bun           |
| 2 | Acceptabil    |
| 3 | Moderat       |
| 4 | Rau           |
| 5 | Foarte rau    |
| 6 | Extrem de rau |

|                       |   |
|-----------------------|---|
| Indice zilnic general | 2 |
|-----------------------|---|

\*Metoda de determinare utilizată de analizoarele ce compun sistemul este metoda automată

**Limite maxime admise**

|                              |   |                |
|------------------------------|---|----------------|
| Monoxid de carbon - (CO)     | 10 mg/mc - valoarea maxima zilnica a mediilor pe 8 ore  | Legea 104/2011 |
| Ozon - (O3)                  | 120 µg/mc - valoarea maxima zilnica a mediilor pe 8 ore | Legea 104/2011 |
| Dioxid de azot- (NO2)        | 200 µg/mc limita orara ; 40 µg/mc limita anuala         | Legea 104/2011 |
| Dioxid de sulf - (SO2)       | 350 µg/mc limita orara ; 125 µg/mc limita zilnica       | Legea 104/2011 |
| Pulberi in suspensie (PM10)  | 50 µg/mc limita zilnica ; 40 µg/mc limita anuala ;      | Legea 104/2011 |
| Pulberi in suspensie (PM2.5) | 20 µg/mc limita anuala                                  | Legea 104/2011 |
| Benzen - (C6H6)              | 5 µg/mc limita anuala                                   | Legea 104/2011 |
| Formaldehida - (CHOH)        | 0.012 mg/mc media la 24 h                               | STAS 12574/87  |